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(21) International Application Number: PCT/US99/07360 (22) International Filing Date: 1 April 1999 (01.04.99) (30) Priority Data: 60/080,378 1 April 1998 (01.04.98) US (63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application US 60/080,378 (CIP) Filed on 1 April 1998 (01.04.98) (71) Applicant (for all designated States except US): GANEDEN BIOTECH, INC. [US/US]; Suite 209, 5940 Pacific Mesa Court, San Diego, CA 92121 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): FARMER, Sean [US/US]; 8738-6 Villa La Jolla Drive, La Jolla, CA 92037 (US). LEFKOWITZ, Andrew, R. [US/US]; Unit C, 8625 Via Mallorca, La Jolla, CA 92037 (US). (74) Agent: FITTING, Thomas; Suite 300, 12526 High Bluff Drive, San Diego, CA 92130 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 16 December 1999 (16.12.99)
(54) Title: METHODS FOR REDUCING CHOLESTEROL USING <i>BACILLUS COAGULANS</i> SPORES, SYSTEMS AND COMPOSITIONS (57) Abstract The invention describes therapeutic compositions including a lactic acid-producing bacteria, such as isolated <i>Bacillus coagulans</i> , in combination with a bifidogenic oligosaccharides or other cholesterol-reducing agents for use in reducing LDL cholesterol and serum triglycerides. Also described are therapeutic methods using the compositions and systems containing the therapeutic compositions.		